

An optical waveguide structure has lines (2), crossings
5 (3), and branchings (4). In the area of the branchings (4),
the waveguide structure consists of planar waveguides made
of a waveguide material that is put into troughs (7) formed
into a substrate (8). The waveguide material has a higher
refractive index than the material delimiting the troughs
10 (7). In the area of said crossing (3) the waveguide
structure consists of fibers (5) which cross in the area of
the crossings.